



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

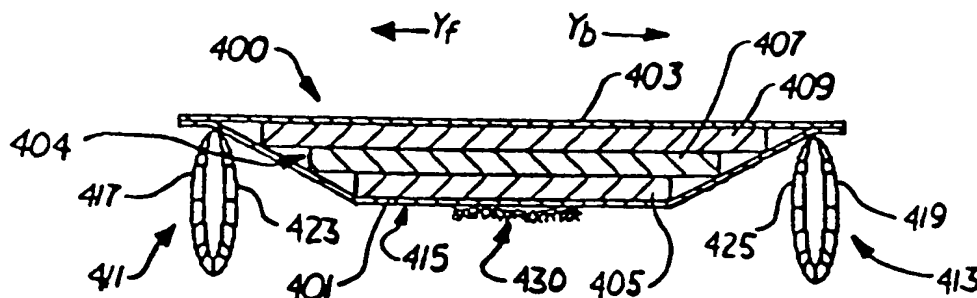
(51) International Patent Classification ⁷ : A47L 13/00		A2	(11) International Publication Number: WO 00/27271												
			(43) International Publication Date: 18 May 2000 (18.05.00)												
<p>(21) International Application Number: PCT/US99/26579</p> <p>(22) International Filing Date: 9 November 1999 (09.11.99)</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>09/188,604</td> <td>9 November 1998 (09.11.98)</td> <td>US</td> </tr> <tr> <td>09/201,618</td> <td>30 November 1998 (30.11.98)</td> <td>US</td> </tr> <tr> <td>60/110,476</td> <td>1 December 1998 (01.12.98)</td> <td>US</td> </tr> <tr> <td>60/156,286</td> <td>27 September 1999 (27.09.99)</td> <td>US</td> </tr> </table> <p>(71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).</p> <p>(72) Inventors; and</p> <p>(75) Inventors/Applicants (for US only): POLICICCHIO, Nicola, John [CA/US]; 4976 Laurelwood Court, Mason, OH 45040 (US). RHAMY, Preston, James [US/US]; 42 Saville Row, #1307, Cincinnati, OH 45246 (US). DUSING, Michael, William [US/US]; 26 Highland Meadows Circle #11, Highland Heights, KY 41076 (US). WILLMAN, Kenneth, William [US/US]; 5603 Williamsburg Way, Fairfield, OH 45014 (US). JACKSON, Rhonda, Jean [US/US]; 1370 Camberly Drive, Cincinnati, OH 45215 (US).</p>		09/188,604	9 November 1998 (09.11.98)	US	09/201,618	30 November 1998 (30.11.98)	US	60/110,476	1 December 1998 (01.12.98)	US	60/156,286	27 September 1999 (27.09.99)	US	<p>(74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).</p> <p>(81) Designated States: AE, AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), DM, EE, EE (Utility model), ES, FI, FI (Utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).</p> <p>Published Without international search report and to be republished upon receipt of that report.</p>	
09/188,604	9 November 1998 (09.11.98)	US													
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60/110,476	1 December 1998 (01.12.98)	US													
60/156,286	27 September 1999 (27.09.99)	US													
<p>(54) Title: CLEANING COMPOSITION, PAD, WIPE, IMPLEMENT, AND SYSTEM AND METHOD OF USE THEREOF</p> <p>(57) Abstract</p> <p>Cleaning compositions, pads, wipes, and implements provide effective cleaning of hard surfaces.</p>															



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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(71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).			
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		(88) Date of publication of the international search report: 23 November 2000 (23.11.00)	

(54) Title: CLEANING COMPOSITION, PAD, WIPE, IMPLEMENT, AND SYSTEM AND METHOD OF USE THEREOF



(57) Abstract

The present invention relates to cleaning compositions, pads, wipes, and implements useful in removing soils from hard surfaces. The cleaning pads and/or sheets (100, 200, 400) contain improved structure comprising apertured formed films, functional cups (417, 419), density gradients, adhesive scrubbing strips (430), and/or perfume carrier complex. The cleaning sheets (100, 200, 400) are designed so as to provide functional cuffs (417, 419). The present invention also relates to a cleaning implement (20, 120) comprising a handle (22) and, preferably, an improved removable absorbent cleaning pad (29). The present invention further relates to methods of using cleaning compositions, pads, sheets, wipes, and implements to clean hard surfaces.

FOR THE PURPOSES OF INFORMATION ONLY

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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/26579

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A47L13/12 A47L13/20 A47L13/22 C11D17/04

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A47L C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 98 42246 A (PROCTER & GAMBLE) 1 October 1998 (1998-10-01) abstract page 22, paragraph 3 -page 24, paragraph 1 figures 5A,5B	1,2,11, 12
Y	---	3,4,8-10
X	EP 0 358 844 A (VILEDA GMBH) 21 March 1990 (1990-03-21) abstract column 2, line 35 -column 3, line 34 figures ---	1,11
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☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

10 April 2000

Date of mailing of the international search report

- 1. 09. 00

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Cabral Matos, A

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 99/26579

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	FR 2 575 058 A (UNILEVER NV) 27 June 1986 (1986-06-27) abstract page 2, line 29 -page 3, line 25 page 13, line 18 - line 30 figures 1-3	1
Y	---	8,9
X	US 5 094 559 A (RIVERA L A ET AL) 10 March 1992 (1992-03-10) cited in the application abstract; figures	1,12
Y	---	3
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Y	EP 0 399 495 A (KIMBERLY-CLARK CO) 28 November 1990 (1990-11-28) abstract page 1, line 2 - line 5 page 1, line 38 - line 45 figure 3	4
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A	US 3 656 202 A (PATON D E) 18 April 1972 (1972-04-18) abstract column 1, line 49 - line 59 figures 1,2,5	6,7
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A	US 5 098 621 A (HERMANN P F) 24 March 1992 (1992-03-24) abstract; figures 1,2 -----	8,9

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 99/26579

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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INTERNATIONAL SEARCH REPORT

In International application No.
PCT/US 99/26579

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-12

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

1. Claims: 1-12

A cleaning implement comprising a handle and a removable cleaning pad and a method of wiping a hard surface with the same cleaning implement

2. Claims: 13-17

A hard surface cleaning composition

3. Claims: 18-20

A method of cleaning a hard surface comprising the steps of claim 18 or 19

4. Claims: 21-28

A cleaning implement comprising a handle, a support head attached to the handle, a cleaning substrate removably attached to the support head and a liquid delivery system for providing a cleaning liquid to a surface to be cleaned

PATENT COOPERATION TREATY
PCT

NEW
VERSION

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7368+JH	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 99/ 26579	International filing date (day/month/year) 09/11/1999	(Earliest) Priority Date (day/month/year) 09/11/1998
Applicant THE PROCTER & GAMBLE COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 6 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☒ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.

☐ as suggested by the applicant.

☒ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

4B

☐ None of the figures.

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The abstract has been modified as follows:

The present invention relates to cleaning compositions, pads, sheets, wipes, and implements useful in removing soils from hard surfaces. The cleaning pads and/or sheets (100,200,400) contain improved structure comprising apertured formed films, functional cuffs (417,419), density gradients, adhesive scrubbing strips (430), and/or perfume carrier complex. The cleaning sheets (100,200,400) are designed so as provide functional cuffs (417,419). The present invention also relates to a cleaning implement (20,120) comprising a handle (22) and, preferably, an improved removable absorbent cleaning pad (29). The present invention further relates to methods of using cleaning compositions, pads, sheets, wipes, and implements to clean hard surfaces.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7368+JH	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 99/ 26579	International filing date (day/month/year) 09/11/1999	(Earliest) Priority Date (day/month/year) 09/11/1998
Applicant THE PROCTER & GAMBLE COMPANY et al.		

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1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.



the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing :



contained in the international application in written form.



filed together with the international application in computer readable form.



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furnished subsequently to this Authority in computer readable form.



the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.



the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☒ Unity of invention is lacking (see Box II).

4. With regard to the title,



the text is approved as submitted by the applicant.



the text has been established by this Authority to read as follows:

5. With regard to the abstract,



the text is approved as submitted by the applicant.



the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the drawings to be published with the abstract is Figure No.



as suggested by the applicant.



because the applicant failed to suggest a figure.



because this figure better characterizes the invention.

4B



None of the figures.

Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The abstract has been modified as follows:

line 2 the cleaning pads and/or sheets (100,200,400)
line 3 functional cuffs (417,419)
line 4 scrubbing strips (430)the cleaning sheets (100,200,400)
line 5 fonctionnal cuffs (417,419) implement (20,120)
line 6 handle (22) cleaning pad (29)